

**AMENDMENTS****In the Claims:**

1. (Currently Amended) An apparatus for examination of images, comprising:
  - an image storage device ~~which is designed~~ configured to store image data for one or more images to be evaluated,
  - a display device ~~which is designed~~ configured to display the image data,
  - an input device for a subject ~~which is designed~~ configured to interrogate visualization data,
  - a control device which connects the image storage, display and input devices, and which controls a display of the images based on a sequence and timing provided in a control file,
  - a data matching device for matching image data and visualization data, and
  - an evaluation device ~~for calculation of a visualization profile, the visualization data comprising position data which is transmitted from the input device,~~

wherein the input device comprises a pointing appliance ~~designed such that it may configured~~ be moved manually by a subject for pointing, and the input device is configured to interact with a marking such that the position of the pointing appliance is displayed by the marking on the display device,

wherein the control device further comprises an event detector configured to record position data transmitted from the input device when a specific event occurs and to create an event-based file formed by data records comprising data relating to time, position and image shown, the event detector further configured to create a data record including a reference time when an image change occurs, and

wherein the data matching device comprises a synchronization module which synchronizes the control file and the event-based file, upon which the evaluation device calculates a time-dependent visualization profile.
2. (Previously Presented) The apparatus as claimed in claim 1, wherein the pointing appliance is a computer mouse.

3. (Previously Presented) The apparatus as claimed in claim 1, wherein the pointing appliance is a light pointer or a light pen.

4. (Previously Presented) The apparatus as claimed in claim 1, 2 or 3, wherein two or more input devices with pointing appliances are provided.

5. (Previously Presented) The apparatus as claimed in claim 1, 2 or 3, further comprising an evaluation module that is physically separate from the input device the pointing appliances connected thereto via a data network.

6. (Canceled)

7. (Currently Amended) The apparatus as claimed in claim ~~[[6]]~~1, 2 or 3, wherein the specific event is the operation of a button on the pointing appliance.

8. (Currently Amended) The apparatus as claimed in claim ~~[[6]]~~1, 2 or 3, wherein the specific event is the pointing appliance being at rest.

9. (Previously Presented) The apparatus as claimed in claim 1, 2 or 3, further comprising a conversion module for transformation of position data from an appliance-specific coordinate system to an appliance-independent coordinate system.

10. (Currently Amended) A method for examination of images, comprising:  
storing image data ~~for an image~~images to be examined in a memory device,  
displaying the images based on a sequence and timing provided in a control file,  
determining a position from data supplied from an input device by interrogating position data from a pointing appliance which is moved manually by a subject,  
displaying interactively a marking for the position of the pointing appliance,  
creating an event-based file formed by data records comprising data relating to time, position and image shown,  
storing a data record in the event-based file when a specific event occurs,  
storing another data record that includes a reference time when an image change occurs,  
and  
evaluating by synchronizing the control file and the event-based file, upon which a time-dependent visualization matching image data and position data, and

~~calculating a profile~~ is calculated.

11. (Canceled).

12. (Currently Amended) The method as claimed in claim ~~[[11]]~~10, wherein the event detector evaluates button operation on the pointing appliance.

13. (Currently Amended) The method as claimed in claim ~~[[11]]~~10, wherein the event detector monitors the movements of the pointing appliance and is triggered when the pointing appliance comes to rest.

14. (Currently Amended) The method as claimed in claim ~~[[11]]~~10, wherein a computer mouse is used as the pointing appliance.

15. (Currently Amended) The method as claimed in claim ~~[[11]]~~10, wherein a light pointer or a light pen is used as the pointing appliance.

16. (Currently Amended) The method as claimed in claim ~~[[11]]~~10, wherein the input device the pointing appliance transmit the position data via a data network to an evaluation module.

17. (Canceled)

18. (Previously Presented) The apparatus as claimed in claim 5, wherein the data network is a LAN or a WAN.

19. (Canceled)

20. (Previously Presented) The apparatus as claimed in claim 5, further comprising a conversion module for transformation of position data from an appliance-specific coordinate system to an appliance-independent coordinate system.

21. (Canceled)

22. (New) A method, comprising:

recording position data from a pointing device handled by a subject during a display of image data, the display of image data controlled by stored control data;

identifying one or more areas of the displayed image data pointed to by the pointing device based on the stored control data and the recorded position data; and

generating a profile of the identified areas.

23. (New) The method of claim 22, wherein the identification includes synchronizing timing between the display of the image data and the recording of the position data.

24. (New) The method of claim 22, wherein the position data is recorded upon an occurrence of an event.

25. (New) The method of claim 24, wherein the event includes an image change.

26. (New) An apparatus comprising:

an event detector configured to record position data from a pointing device handled by a subject during a display of image data, the display of image data controlled by stored control data; and

an evaluator configured to identify one or more areas of the displayed image data pointed to by the pointing device based on the stored control data and the recorded position data, and to generate a profile of the identified areas.